

I. AMENDMENTS TO THE SPECIFICATION:

Please amend the specification as follows.

1. Kindly replace the paragraph on page 1, lines 1-4, that begins with “The present invention...,” with the following new paragraph:

The present invention concerns a portable electronic apparatus comprising an analogue display device, i. e. a display device using hands for indicating a determined position on a dial, ~~thesaid~~ position being representative of any time related or ~~non-time~~~~non~~ time related piece of information.

2. Kindly replace the paragraph on page 1, lines 8-23, that begins with “Electronic wristwatches...,” with the following new paragraph:

Electronic wristwatches whose hour, minute and seconds hands are driven by at least one stepping motor controlled by a time base and a microprocessor for displaying, in cooperation with the hour-circle, either the current time or another time related or ~~non-time~~~~non~~ time related piece of information upon an appropriate actuation of an external control member, are known. US patent No 4,266,288 discloses in its most elaborate embodiment, a timepiece including a single motor, a time base, a switch assembly and a control circuit for displaying either the current time or, upon actuation of an exterior control member, for driving both hands separately, the minute hand indicating for example the value of this time related or ~~non-time~~~~non~~ time related piece of information in cooperation with the hour-circle and the hour hand indicating the nature of the information inscribed on a ring in the vicinity of the hour-circle. The information may be, for example, an alarm time and its on or off state. US patent No 5,299,177 proposes an improvement wherein the hands are driven

separately by two motors and cooperate in a first step by superposing each other to indicate, as mentioned above, the nature of the information, and then position themselves to indicate, in cooperation with the hour-circle, the value of said piece of information.

3. Kindly replace the paragraph on page 1, lines 27-33, that begins with “In a non limitative...,” with the following new paragraph:

In a ~~non-limitative~~non-limitative manner, US patent No 5,500,835 can be mentioned. This patent discloses a watch ~~that~~which can be set in a “weather forecast” mode, which is totally independent of the time base of the watch. In this “weather forecast” mode, the hour hand indicates in cooperation with one graduation arranged inside the hour-circle of the watch, an atmospheric pressure variation and the minute hand points towards pictograms which are drawn on the bezel and representative of a weather forecast as a function of ~~the~~said variation.

4. Kindly replace the paragraph on page 2, lines 1-5, that begins with “These documents...,” with the following new paragraph:

These documents enable thus time related or ~~non-time~~non-time related information to be displayed in cooperation with two graduations or even with three graduations if the seconds hand is also driven by an independent motor, but these documents do not suggest in any manner the designation of a piece of information located in any position on the dial.

5. Kindly replace the paragraph on page 2, lines 24-32, that begins with “It is thus...,” with the following new paragraph:

It is thus an object of the present invention to overcome the aforementioned drawbacks of the prior art, by proposing a portable electronic apparatus with an analogue display device provided with a device for indicating in an unambiguous manner any position over practically the entire the surface of a dial, this position being representative of any information, such as a time related different piece of information or a complementary piece of information to the current time, or a non-time~~non-time~~ related piece of information, or even a piece of information representative of a game exploiting this possibility of using the “whole dial” for analogue display.

6. Kindly replace the paragraph on page 2, line 33, to page 3, line 6, that begins with “Thus the invention...,” with the following new paragraph:

Thus the invention concerns a portable electronic apparatus for displaying a piece of information in an analogue manner, by means of two hands driven independently by two stepping motors, the piece of information being represented on the dial via a plurality of markings R_i . This apparatus includes :

- at least one information storing unit,
- a unit for processing said information;
- a management and control unit receiving control signals from the processing unit,
- a supply unit controlled by the management unit, and controlling the movement of the two stepping motors;
- an external control member 8 enabling at least the piece of information to be displayed.

7. Kindly replace the paragraph on page 5, lines 7-19, that begins with “The device thus...,” with the following new paragraph:

The device thus represents a bipolar parametering of the quasi entire surface of the dial by means of angles α and β , each marking R_i borne by the dial corresponding to a pair of values α_i , β_i . For the time related indications or ~~non-time~~ related indications borne by the hour circle, their location results from the alignment of the tips of the hands corresponding to $\alpha_i = \beta_i$. Advantageously, α_i , β_i are not expressed by angular values but in the number of steps necessary to reach one of ~~thesaid~~ angular values. By way of example, if one complete revolution of the hands represents 180 steps of the motor, with a dial 3 cm in diameter and hands bent at 90° leaving a neutral circle 1 cm in diameter, it is possible to form approximately 6000 different pairs α_i , β_i . In ~~practice~~ ~~pratiee~~, the number of markings R_i is much more limited because of the limitations of the user’s visual perception. By way of example, for a watch having the above mentioned characteristics, it is possible to have about 50 markings R_i having a surface area of 12 mm².

8. Kindly replace the paragraph on page 6, line 19-22, that begins with “If one considers...,” with the following new paragraph:

If one considers that such a heavy a dial is not attractive, it is possible to combine the dial with an optical valve 30 of the type described in US patent No 5,740,130 in order to mask the entire dial with the exception of the hour-symbols 12 in the normal operating mode.

9. Kindly replace the paragraph on page 6, line 29-34, that begins with “Storing unit 23...,” with the following new paragraph:

Storing unit 23 may also comprise a sub-assembly, for example a sub-assembly 23a for the vowels and a sub-assembly 23b for the consonants, these sub-assemblies being able to be selected by rotating crown 8, an external control member, in one direction or the other. In this example, it is also possible to complete the electronic circuit of the apparatus with an electronic dictionary that can be consulted in order to check which is the longest word that could have been formed with the randomly drawn letters. In accordance with another embodiment, storing unit 23 contains the letters of the alphabet, corresponding to 26 marks distributed randomly on the dial and in the management and control unit is arranged so as to make a random selection of letters from the storing unit. In accordance with yet another embodiment, the portable electronic apparatus of the invention includes two storing units, one for the vowels and one for the consonants, each storing unit being able to be selected by an appropriate manipulation of the external control member 8. In still another embodiment of the invention, the portable electronic apparatus further includes an electronic dictionary that can be consulted on the basis of the letters selected from the storing unit 23. In another embodiment of the present invention, the portable electronic apparatus is a wristwatch able to permanently give a first time related piece of information and, upon actuation of the external control member, a second time related or non-time related piece of information.

10. Kindly replace the paragraph on page 6, line 35, to page 7, line 2, that begins with “Without departing from...,” with the following new paragraph:

Without departing from the scope of the present invention, those skilled in the art could envisage numerous other time related or non-time~~non-time~~ related type applications,

such as a lottery game for the random and non-repetitive~~non-repetitive~~ selection of a series of numbers marked on a dial, a roulette game which would correspond to 49 different game possibilities if excluding however combinations.